

Turbo HD DVR V3.4.1 Release Notes



| Reference NO: | PR20151222_02 | | | |
|-----------------|--------------------------------|--|--|--|
| Product | Turbo HD DVR | | | |
| Classification: | | | | |
| Date of | December 22, 2015 | | | |
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| Edit | Overcost Technical Support Den | | | |
| Department: | Overseas Technical Support Dep | | | |

Reason of Upgrade

Newly add some new functions and fix some bugs existing on previous firmware versions, so as to improve the performance of HGHI-E & HGHI-F Series DVRs and make the products more convenient and efficient.

Firmware Updates

New Features

i. Newly support upgrading DVR firmware version by EZVIZ cloud. When enable EZVIZ function of DVR, there will appear an icon of "Check Update" on the GUI *Maintenance->System Info->Device Info.* DVR will check new firmware on the EZVIZ cloud automatically every day and upgrade once detecting the new firmware. Customer can also upgrade manually by click the "Check Update".

Note: This function is not supported for the time being, cause new firmware is not uploaded to the EZVIZ cloud.

| | | System Maintenance | | |
|---------------------------------|---------------------------|-----------------------------------|----------|--------------|
| System Info | , Device Info Camera Reco | rd Alarm Network HDD | | |
| 호 Log Information | Device Name | Embedded Net DVR | | |
| E Log monution | Model | DS-7216HGHI-E2 | | |
| Section >→ Import/Export | Serial No. | 1620150810AAWR535342764W0 | CVU | |
| ± Upgrade | Firmware Version | V3.4.1, Build 151221 | | Check Update |
| | Verification Code | Attention | | |
| ➡ Default | | new version detected. The current | | |
| 🖧 Net Detect | | rsion is the latest! | | |
| | | OK | k | |
| Ø HDD Detect | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| ♠ Live View | | | | Back |



First Choice for Security Professionals

- Newly introduce H.264 + technology into Hikvision Turbo HD DVRs. Therefore, the encoding efficiency has been highly improved, storage cost and remote live view bandwidth will be saved as well.
 - a. For analog channels, H.264/H.264+ encoding types are available according to customers' demands.
 - b. For IP channels, it supports Hikvision IPCs which support H.264+ (DS-2x22, 2x42 series) access.

H.264+ can also be enabled on DVR local menu (IPC will reboot then) if it is not enabled on IPC side.

Note: 1.H.264+ is conflicted with SVC, Drawing frame playback and Reverse Playback. Players and web components are recommended to be upgrade to the latest versions.

2. For this version, only **HGHI-F** Series support this feature.

| | | Record | | | | | | |
|------------|----------------------------|--|------------|--------------------|------|--|--|--|
| Schedule | Record Substream | | | | | | | |
| _ | Camera | [A1] Camera 01 | | | | | | |
| Parameters | Camera Resolution | NO VIDEO | | | | | | |
| ž Advanced | Encoding Parameters | Main Stream(Continuou | s) | Main Stream(Event) | | | | |
| | Stream Type | Video & Audio | | Video & Audio | | | | |
| Holiday | Resolution | Attention | ~ | - 1280*720(HD720P) | | | | |
| | Bitrate Type | H.264+ is not supported simultan | eously | Constant | | | | |
| | | with SVC, Drawing frame playbac reboot now? | k etc, 🗸 🗸 | Medium | | | | |
| | Frame Rate | | - | Full Frame | | | | |
| | Max. Bitrate Mode | Yes No | ~ | General | | | | |
| | Max. Bitrate(Kbps) | 2048 | `~ | | | | | |
| | Max. Bitrate Range Recom | mend 1382~2303(Kbps) | | 2304~3840(Kbps) | | | | |
| | Max. Average Bitrate(Kbps) |) 1440 | 1440 1440 | | | | | |
| | | | | | | | | |
| | Enable H.264+ | Z | | | | | | |
| | More Settings | | | - k | | | | |
| Live View | | | Сору | Apply | Back | | | |

iii. Newly support VCA type **Audio Exception Detection** for first analog channel of 7200 HGHI–E or –F series.

Customers can configure the Settings and Rule Settings.

| | | | Camera | Managemeni | | | | |
|-----------------------|------------|-------------|----------------|-------------|---------------------------|--------------|-------------|------------------|
| 🖷 Camera | VCA | | | | | | | |
| B | Camera | | [A1] Camera 01 | | | | | Save VCA Picture |
| 💕 OSD | Face Detec | Vehicle Det | Line Crossi | Intrusion D | e Region Entr | Region Exiti | Loitering [| D People Gath |
| 😔 Image | Fast Movin | Parking Det | Unattended | Object Ren | n Audio Exce | Defocus De | Sudden S | c PIR Alarm |
| | Enable | | | | | | | |
| U PTZ | Settings | | \$ | | | | | |
| 🗶 Motion | Rule | | 1 | | | | | Rule Settings |
| 🖾 Privacy Mask | ******** | | | > | Draw Line | | | |
| 👋 Video Tampering | | | | | 🗹 Draw Qua 🕞 Clear All | h, | | |
| Video Loss | | NO VI | DEO | | | `` | | |
| | | | Vision a | a | | | | |
| ⊘ Video Quality Diagn | | | | | | | | |
| ▲ Live View | | | | | | A | pply | Back |



Note: 1. This feature is only supported for first channel.

- 2. The "Enable" is grey for this feature is supported by default.
- 3. In the Rule Settings, the lower value of Sensitivity is, the audio exception will be detected more easily.

| | | | Ca | amera Managemer | nt | | | | |
|-----------------------|---------------|---------------|-------------------------------|-----------------|----|-------|----|-------------|------------------|
| 🛥 Camera | | | | Rule Settings | | | | | |
| ø osd | Cam Face | No. | | 1 | | | | Loitering I | Save VCA Picture |
| 🟵 Image | Fast Enat | Audio Loss E | ception ase of Sound I | 2 | | | e | Sudden S | |
| U PTZ | Enat Setti | Sensitivity | | _ | | 20 | \$ | | |
| 🗶 Motion | Rule | Sound Intensi | ty Threshold ease of Sound | ·@ | | 32 | • | | Rule Settings |
| ፼ Privacy Mask | | Sensitivity | | | | 29 | 0 | | |
| 👋 Video Tampering | | | | | | | | | |
| Video Loss | | | | | | | | | |
| © VCA > | | | | | ок | Cance | | | |
| ⊘ Video Quality Diagn | | | | | | | | | |
| ♠ Live View | | | | | | | | Apply | Back |

- iv. **Upgrade TVI Camera Remotely:** Newly support function of remote upgrading TVI camera that is connected to the DVR.
 - a) Firmware needed: In order to upgrade the TVI cameras through SDK/client/ web component, customers need the special firmware provided by support engineers that contains the information of certain channel which the TVI cameras connect to.
 - b) How to: When updating through the web component, the firmware is input into the same location of DVR's firmware. Our system will judge out firmware is for DVR itself or for the TVI camera and then update automatically. Operation is the same with the SDK or client.

| Н | KVISION | Live View Playback Picture Configuration |
|-----------------|---|---|
| P | Local System System Settings | Default Restore Restore all the parameters, except the IP parameters and user information, to the default settings. Default Restore all parameters to default settings. |
| | Maintenance Camera Management User Management | Export Device Parameters IP Camera Parameters |
| © <u>0</u> . | Network Video/Audio | Import Config. File . |
| | Image Event | Status IP Camera Parameters Browse Import |
| 6 63 63 | Storage Vehicle Detection VCA | Status |
| | | Firmware V Browse Upgrade Status Note: The upgrading process will be 1 to 10 minutes, please don't disconnect power to the device during the process. The device reboots automatically after upgrading. |

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Bugs Fixed

- Fix the issue that it may fail to use PTZ function when accessing analog doom under low baud rates such as 2400Bd/s.
- ii. Fix the bug that it may reboot under the following operations:
 - 1. Disable the analog channel to use IP channel.
 - 2. Delete the IPC.
 - 3. Enable the analog channel
- iii. Fix the bug that it may restore all parameters to default settings when reboot by local GUI.



First Choice for Security Professionals

Related product list:

| | DS-7104HGHI-E1, DS-7108HGHI-E1, DS-7116HGHI-E1, |
|------------------------------|---|
| | DS-7204HGHI-E1, DS-7208HGHI-E1, DS-7216HGHI-E1, |
| E/E) Sories Turbo | DS-7208HGHI-E2, DS-7216HGHI-E2 |
| -E(F) Series Turbo HD DVR | DS-7104HGHI-F1,DS-7108HGHI-F1,DS-7116HGHI-F1, |
| | DS-7204HGHI-F1,DS-7208HGHI-F1,DS-7216HGHI-F1, |
| | DS-7208HGHI-F2, DS-7216HGHI-F2 |
| | |

Firmware version

v3.4.1 build151221

Related module version

| Player library | 6.5.1.6 |
|----------------|---------------------------|
| player | 4.8mini |
| Web version | V4.0.1 Build151123 |
| Client version | V2.03.05.03 build20151124 |
| SDK version | v5.1.5.5(20151111) |

Customer Impact and Recommended Action

This new firmware upgrade is to improve product performance, and will take effect automatically after

upgrading from previous versions. We'd like to inform you the above changes. Also, we are sorry for any

possible inconvenience of use-habit changes caused by this action.

For questions or concerns, please contact our local technical support team.

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